

Adenosine deaminase, Recombinant

Cat. No. NATE-1009

Lot. No. (See product label)

Introduction

Description Adenosine deaminase is an enzyme (EC 3.5.4.4) involved in purine metabolism. It is needed for the breakdown of adenosine from food and for the turnover of nucleic acids in tissues. Present in virtually all mammalian cells, its primary function in Humans is the development and maintenance of the immune system.

Synonyms ADA; adenosine deaminase; adenosine aminohydrolase; 9026-93-1; EC 3.5.4.4

Product Information

Source E. coli

Appearance White powder, lyophilized

EC Number EC 3.5.4.4

CAS No. 9026-93-1

Molecular Weight About 43kDa (SDS-PAGE)

Purity > 90 %

Activity ~160U/mg protein

Isoelectric point 5.43

pH Stability 7.0-9.0

Unit Definition One unit will deaminate 1.0 μ mole of adenosine to inosine per min at pH 7.5 at 25°C.

Storage and Shipping Information

Storage Redissolved in 20% glycerol, 4°C, store at -20°C for long-term preservation, Avoid multiple freeze-thaw cycles.